

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 04 April 2018

Significant Weather Features (IMD)

- Instability in the lower levels in association with the northsouth trough is likely to cause dust raising winds over parts of northern plains during next 48 hours.
- The northsouth trough is likely to strengthen and cause isolated to scattered thunderstorms/gusty winds/lightning over major parts of India from 6th April.
- Scattered to fairly widespread rainfall with isolated thunderstorms/squall/hailstorms likely over parts of east & northeast India during 5th to 7th April.
- No major heat wave conditions are likely during the forecast period after 24 hours.
- Yesterday, heat wave conditions prevailed over some parts with severe heat wave conditions at one or two pockets over West Rajasthan.
- Thunderstorm observed at a few places over Jammu & Kashmir; at isolated places over Himachal Pradesh, Uttarakhand, Odisha, Gangetic West Bengal. Coastal Andhra Pradesh, Kerala, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya from 1130 hours IST of yesterday to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/thundershowers observed at many places over Jammu & Kashmir; at a few places over Himachal Pradesh; at isolated places Odisha, West Bengal & Sikkim, Meghalaya, Nagaland, Manipur, Mizoram & Tripura, north Coastal Andhra Pradesh, Telangana, Kerala and Tamilnadu & Puducherry.
- Maximum temperature departures as on 03.04.2018: Maximum temperatures were markedly above normal (5.1°C or more) isolated places over Himachal Pradesh, Haryana, north Rajasthan and Assam & Meghalaya; appreciably above normal (3.1°C to 5.0°C) at many places over East Rajasthan; at a few places over Himachal Pradesh, Punjab, West Rajasthan and West Madhya Pradesh; at isolated places over Jammu & Kashmir, Haryana, East Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over Vidarbha; at a few places over West Uttar Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Marathwada and Sub Himalayan West Bengal & Sikkim; at isolated places over Jammu & Kashmir, Madhya Pradesh, Gujarat

region, Konkan & Goa, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. They were appreciably below normal (3.1°C to 5.0°C) at isolated places over Gangetic West Bengal and Odisha; below normal (1.6°C to 3.0°C) at a few places over Gangetic West Bengal; at isolated places over Jharkhand and Odisha.

- Yesterday, the highest maximum temperature of 42.8°C was recorded at Churu (West Rajasthan) over the plains of the country.
- Minimum temperature departures as on 04.04.2018: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and East Rajasthan; appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan; at many places over rest West Uttar Pradesh; at a few places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh and Sub Himalayan West Bengal & Sikkim; at isolated places over Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Marathwada; at a few places over Gujarat and Telangana; at isolated places over Vidarbha, Madhya Maharashtra, Tamilnadu & Puducherry, south Coastal Andhra Pradesh, Assam & Meghalaya, Arunachal Pradesh and Andaman & Nicobar Islands. They are below normal (1.6°C to 3.0°C) at a few places over coastal Gangetic West Bengal; at isolated places over Odisha and Nagaland, Manipur, Mizoram & Tripura and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 04 April (Day 1): Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, interior Tamilnadu, Telangana and north Coastal Andhra Pradesh. Heat wave conditions very likely to prevail at one or two pockets over West Rajasthan.
- 05 April (Day 2): Thunderstorm accompanied with squall and hail very likely at isolated places over Assam & Meghalaya. Thunderstorm accompanied with squall very likely at isolated places over West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over north Odisha.
- 06 April (Day 3): Thunderstorm accompanied with squall and hail very likely at isolated places over Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Gangetic West Bengal, Bihar, Jharkhand, north Odisha and Telangana.
- April (Day 4): Thunderstorm accompanied with squall and hail likely at isolated places over Jharkhand. Thunderstorm accompanied with squall likely at isolated places over Bihar, Gangetic West Bengal and Odisha. Thunderstorm accompanied with gusty winds and lightning likely at isolated places over Madhya Maharashtra, Marathwada, North Interior Karnataka and Vidarbha. Thunderstorm accompanied with gusty winds likely at isolated places over Sub Himalayan West Bengal & Sikkim, north Coastal Andhra Pradesh, Kerala and Telangana.

- 08 April (Day 5): Thunderstorm accompanied with squall likely at isolated places over south Odisha and north Coastal Andhra Pradesh. Thunderstorm accompanied with gusty winds and lightning likely at isolated places over Madhya Maharashtra, Marathwada, North Interior Karnataka and Vidarbha. Thunderstorm accompanied with gusty winds likely at isolated places over south Chhattisgarh, Jharkhand, Gangetic West Bengal and Kerala.
- The weather outlook for the period of seven days *i.e* 04 to 10 April 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, West Bengal & Sikkim, Odisha, north Coastal Andhra Pradesh, Telangana, Kerala and Tamilnadu & Puducherry and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

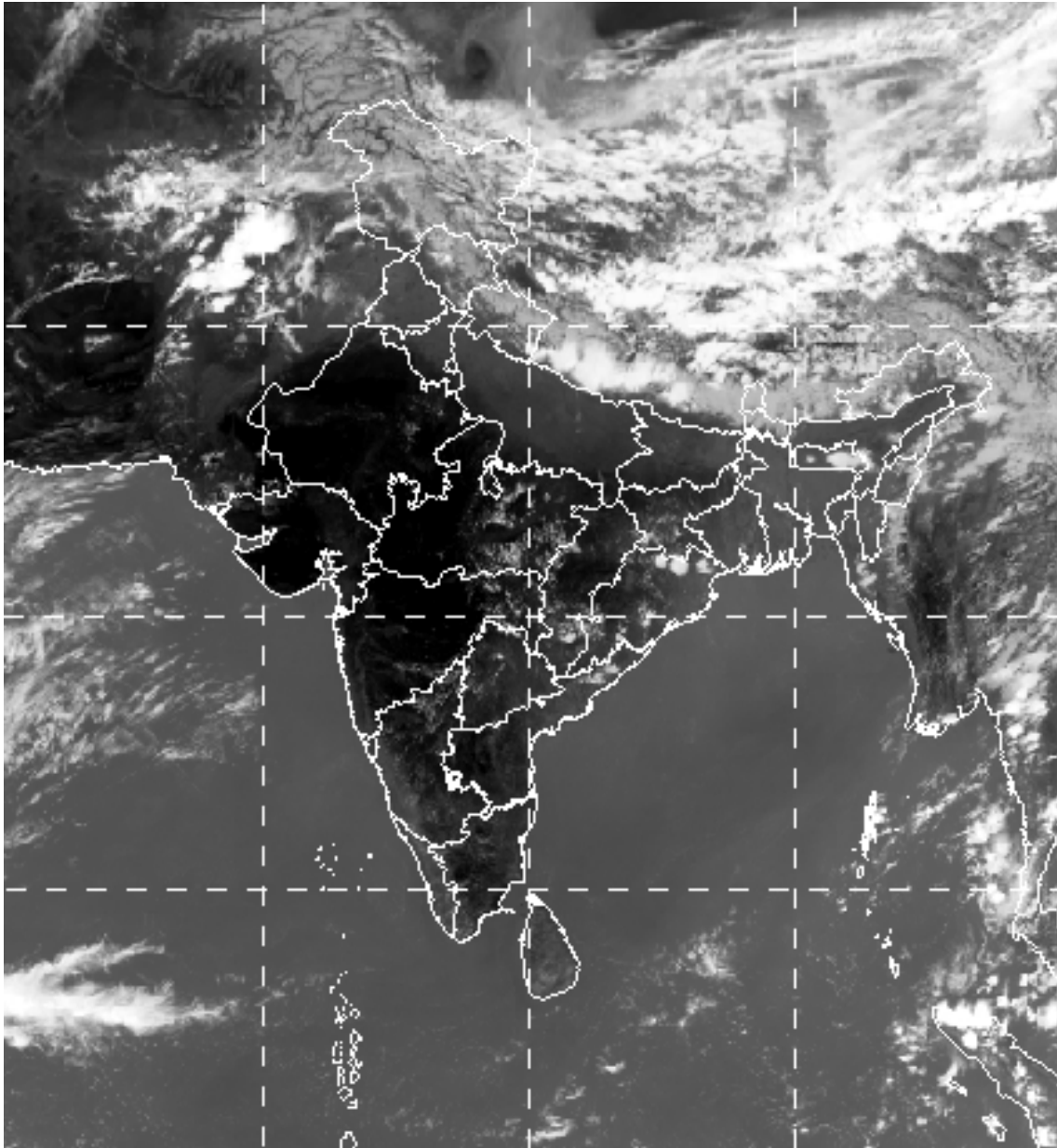
Gujarat

Weather condition

Dry weather prevailed in Gujarat state during past few days. The actual average maximum temperature is 3.4°C higher and minimum temperature is 1.4°C lower as compared to their normal values.

Contingency measure:

- Weeding, interculturing and irrigation should be done in summer crops like pearl millet, green gram, cow pea, okra etc. if required.
- Vegetable Crop: Growth: Thrips and Mite: Due to hot and dry condition if mite and thrips incidence occurs spray Methyl-o-dematone 25 EC 10 ml in 10 lit water. Onion: Harvesting: Harvest mature crop and make it dry properly in open air. Maize: maturity: harvest mature cob and store in safe place.
- CASTOR: Maturity: Harvest the matured spike in early morning hours and stored in safe place. Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remain clear.
- PAPAYA : Harvesting : Mature fruits should be harvest and sent to market for selling. Irrigation should applied in double ring basin method.
- Cattle: Normal water given for drinking. Vaccination should be done for Brucellosis of cattle There are chances of many infection due to session change. Cattle: Normal water given for drinking. Vaccination should be done for Brucellosis of cattle There are chances of many infection due to session change. FMD vaccination should be done.



**Figure: 1. Latest available satellite picture as on 04 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

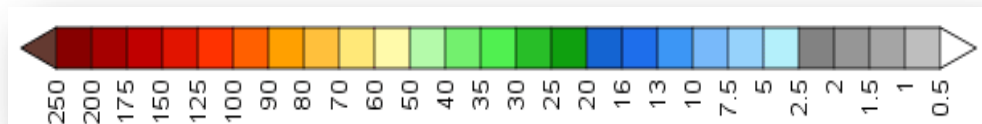
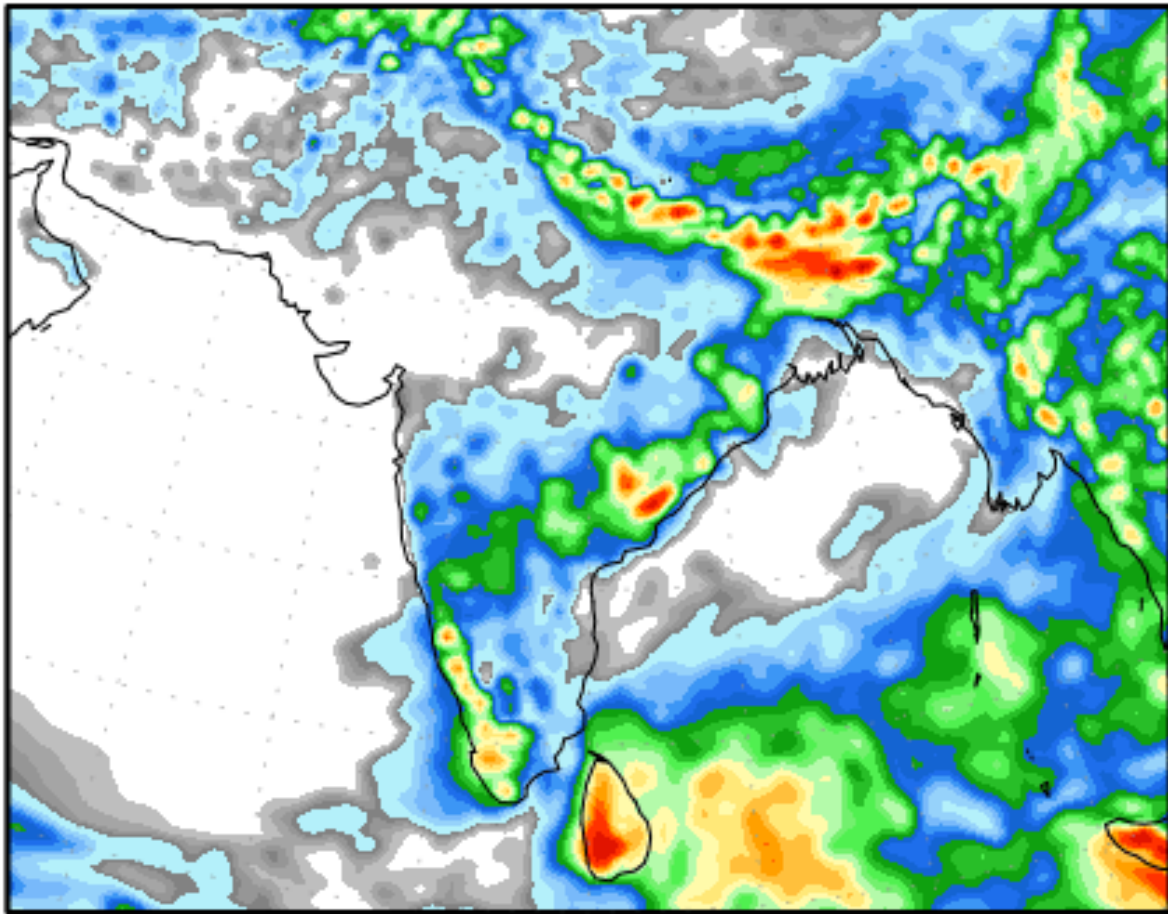


Figure: 2. Precipitation forecast for 04 to 10 April 2018 (Source: NOAA NCEP).